



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000056866

Submitted Date

06-09-2023

PART A

Company Information

Company Name

TATA STEEL LTD, GLOBAL WIRES
INDIA

Application UAN number

0000099827

Address

Plot No A6, Tarapur MIDC

Plot no

A6

Taluka

Palghar

Village

Boisar

Capital Investment (In lakhs)

2527189

Scale

LSI

City

Boisar

Pincode

401506

Person Name

D H Patil

Designation

Plant Head - TWP2

Telephone Number

9225146362

Fax Number

0

Email

Devendra.Patil@tatasteel.com

Region

SRO-Tarapur I

Industry Category

Red

Industry Type

R44 Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing

Last Environmental statement submitted online

yes

Consent Number

CAC/UAN No
0000099827/CR-2110001026

Consent Issue Date

2021-10-22

Consent Valid Upto

2025-02-28

Establishment Year

2006

Date of last environment statement submitted

Sep 23 2022 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Steel Wires

Consent Quantity

175000

Actual Quantity

131491

UOM

MT/A

By-product Information

By Product Name

NA

Consent Quantity

0

Actual Quantity

0

UOM

MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	840.00	650.00
Domestic	1449.00	220.00
All others	100.00	95.00
Total	20.00	20.00
	2409.00	985.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Domestic effluent	100	50	CMD
Trade effluent	800	423	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Steel Wires	2.2	1.77	

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Wire Rods	1.01	1.01	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
PNG (Kg/Hr)	50	15.68	SCM/Hr

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
STP BOD	0	22	0	30	Within Limit
STP Suspended Solid	0	35	0	50	Within Limit
STP COD	0	76	0	100	Within Limit
pH (ETP)	250	7	0	5.5-8.5	Within Limit
Oil & grease (ETP)	250	0	0	10	Within Limit
BOD (ETP)	250	26.7	0	30	Within Limit
TSS (ETP)	250	16.2	0	100	Within Limit
COD (ETP)	250	78	0	250	Within Limit
Zinc (ETP)	0	0	0	5	NA
Copper (ETP)	0	0	0	3	NA

Lead (ETP)	0	0	0	2	NA
Iron as Fe (ETP)	0	1.5	0	3	Within Limit
TDS (ETP)	250	1950	0	2100	Within Limit

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
SPM for Boiler	1.72	11.58	0	50	Within Limit
SPM form Galvanizing Line Lead Bath-1	1.43	10.5	0	50	Within Limit
Patenting Furnace TWP-1	0.36	7.25	0	50	Within Limit
Patenting Lead Bath TWP-1	0.3	6	0	50	Within Limit
Platting Lead Bath TWP-1	0.39	8.75	0	50	Within Limit
Pickling Line Scrubber System - Acid Mist	10.75	13	0	35	Within Limit

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
9.2 Lead ash or particulate from flue gas	291	258.73	MT/A
35.3 Chemical sludge from waste water treatment	2663.62	2079	MT/A
12.2 Spent acid and alkali	8627	8874	MT/A
6.3 Other residues from processing of zinc ash or skimmings	415.02	459.32	MT/A
12.5 Phosphate sludge	150.13	199	MT/A
5.1 Used or spent oil	10.25	44.2	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.3 Chemical sludge from waste water treatment	2664	2079	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Garbage	140	127.7	MT/A
Metal scrap	116	199.73	MT/A
Non Metal scrap	18.5	21	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
35.3 Chemical sludge from waste water treatment	2079	MT/A	Disposed to TSDF
12.2 Spent acid and alkali	8874	MT/A	Disposed to authorised Recycler
9.2 Lead ash or particulate from flue gas	258.73	MT/A	Disposed to authorised Recycler
12.5 Phosphate sludge	199	MT/A	Disposed to TSDF
5.1 Used or spent oil	44.2	MT/A	Disposed to authorised Recycler
6.3 Other residues from processing of zinc ash or skimmings	459.32	MT/A	Disposed to authorised Recycler

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Metal Scrap	199.73	MT/A	Auctioned to authorised party
Non Mettalic Scrap	21	MT/A	Diposed as per norms

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Dust Extraction System	Absorb dust from the shop floor of Wire Drawing	94

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Green belt development, installation of Dust extraction system, effective operation of all Pollution control equipments etc

Name & Designation

D H Patil - Plant Head, TWP#2

UAN No:

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Submitted On:

06-09-2023